

Lieutenant Commander Hernan G. Ruiz, MC,  
USN  
Ensign Barbara Ann Sendner, NC, USN  
Commander John A. Stob, DC, USN

Lieutenant Commander Thomas F. Street, MC,  
USNR  
Commander John H. Tinker, MC, USN  
1 Lieutenant Ricky Dale Wallace, MSC, USA

John W. Walsh, M.D., VA  
Lieutenant Commander Daniel E. White,  
MSC, USN

## Honor Roll

The Honor Roll is comprised of members who have, during the course of the preceding month, directly sponsored one or more eligible persons for membership in the Association.

Lieutenant Cecil M. Amick, Jr., NC, USNR  
Vice Admiral Willard P. Arentzen, MC, USN;  
Surgeon General, USN  
Lieutenant Commander Stan Bagbey, NC,  
USN  
Rear Admiral Robert L. Baker, MC, USN  
Lieutenant Celso G. Bolet, MC, USNR  
Colonel Ernest A. Brav, MC, USA, Ret.  
John D. Chase, M.D., Chief Medical Director,  
VA  
Lieutenant Commander Julian S. Chestnut,  
MC, USN  
Deputy Surgeon General S. Paul Ehrlich, Jr.,  
USPHS  
Captain E. E. Fowler, MSC, USN

Commander Russell R. Funk, Jr., DC, USN  
Colonel John R. Green, USAF, MSC  
Captain Richard A. Hesby, DC, USN  
Colonel James E. Horne, USAF, MSC, Ret.  
Colonel Darrell W. McIndoe, USAF, MC  
Commander T. G. McMahon, MSC, USN,  
Ret.  
Lieutenant Antonio Miranda, MC, USN  
Durward L. Moseley, D.D.S., VA  
Major Edward Nawotka, Jr., DC, USA  
George W. Parsons, M.D., VA  
Lieutenant General Charles C. Pixley, MC,  
USA, Surgeon General, USA  
Lieutenant Colonel William R. Posey, DC,  
USA

Commander C. Victor Romano, MC, USN  
Colonel Roland Rosenthal, MSC, USA  
Captain Henry S. Rudolph, MSC, USN  
Captain Gualbert M. Sanchez, USAF, MC  
Lieutenant General George E. Schafer, USAF,  
MC, Surgeon General, USAF  
Brigadier General James Q. Simmons, III, MC,  
USA, NG  
Robert N. Smith, M.D., Ass't Secretary for  
Health Affairs, DOD  
Henry E. Syzek, D.D.S., VA  
Rear Admiral Walter Welham, MC, USN,  
Ret.  
Dietician Director Marjorie Zukel, USPHS

# MILITARY MEDICINE

## SUBJECT INDEX TO VOLUME 142

January–December 1977

<b>A</b>	
Accident and Assault Deaths in the US Navy: Demography and Preliminary Interpretations. Marc A. Schuckit and E. K. Eric Gunderson.....	607
Acting Out Adolescents, Community Based Program for. Dennis H. Grant	
Alcohol Absorption Following Jejunal Interposition in Patients with Previous Gastric Surgery. Catalino B. Mendoza, Ahmad Rahbar, and George W. Easley.....	874
Alcohol Abuse in the Armed Services: A Review. II. Problem Areas and Recommendations. James R. Long, Linda E. Hewitt, and Howard T. Blane.....	116
Alcohol Rehabilitation Programs, Navy, Outcome for Recidivists. Douglas Kolb, E. K. Eric Gunderson, and Steven F. Bucky.....	435
Allografts, Preserved, Role of, in Neurosurgical Procedures. G. E. Friedlaender, K. W. Sell, and J. C. Bond.....	685
Ambulatory Patient Care in the Army, Maintaining, Study Utilizing Physician Assistants. J. D. Fitterer and Charles R. Cochrane.....	
Aneurysm, False, of the Left Ventricle Following Myocardial Infarction. James W. Allen, Jr. and Gordon E. Madge.....	75
Appendectomy, Negative, A Benign Misjudgment? J. J. Tepas, III, W. J. Wagner, N. L. Simstein, and J. T. Mullen.....	302
Army Traffic Fatalities in Hawaii: 1975. Melvin Blaustein.....	689
Arterial Trauma: A Remaining Problem of Increasing Magnitude. Norman M. Rich, George J. Collins, Charles A. Andersen, Paul T. McDonald, and John J. Ricotta.....	847
Association News.....	62, 167, 224, 309, 399, 476, 560, 634, 718, 800, 896, 961

<b>B</b>	
Barbiturate Detoxification, Haloperidol in. Richard Snyder.....	
Behavior Therapy, Rational, Effectiveness of, in a Military Population. Harold D. Rosenheim and Robert W. Dunn, Jr.....	550
Benzodiazepines: Pro or Con. Frank L. Giordano.....	629
Blood Grouping, Blood Banking, and Blood Transfusions, Trends Toward Improved. Frank R. Camp, Jr. and Virgil R. Coley.....	427
Blood Storage. XIV. Adenine Maintenance of ATP in a Preservative with High pH (to Maintain 2,3-DPG for Hemoglobin Function). R. Ben Dawson and Frank R. Camp, Jr.....	282
Blood Storage for Transfusion: XX. Rejuvenation of Outdated Red Cells with Three Experimental Metabolic Cocktails. R. Ben Dawson, Ann Chan-Shu, and Melissa Potts.....	154
Blood Transfusion Therapy in the Rear Hospitals During the Yom Kippur War (October 1973). S. Gerald Sandler, Raphael Sharon, David Hermoni, and E. Superstine.....	49
Bone Tumors, Treatment of. George P. Bogumil.....	16

<b>Book Reviews:</b>	
Adams, John Crawford. Standard Orthopaedic Operations.....	633
Adams, John G. Pediatric Anesthesia Case Studies.....	518
Aitken, J. T., G. Causey, J. Joseph, and J. Z. Young. A Manual of Human Anatomy.....	398
Albinson, J. G. Child in Sport and Physical Activity.....	301
Allen, John E., Vymutt J. Gururay, and Raymond M. Russo. Practical Points in Pediatrics.....	783
Bacchus, Habeeb. Essentials of Metabolic Diseases and Endocrinology.....	390
Barker, D. J. P. and G. A. Rose. Epidemiology in Medical Practice.....	635
Beard, C. Ptosis.....	618
Beck, J. Walter and John E. Davis. Medical Parasitology.....	296
Behrman, S. J. and R. W. Kistner. Progress in Infertility.....	868
Bennett, A. E. Alcoholism and the Brain.....	945
Benson, Ralph C. Current Obstetric and Gynecologic Diagnosis and Treatment.....	868
Birch, Allan. Emergencies in Medical Practice.....	958
Birkmayer, W. Epileptic Seizures—Behaviour—Pain.....	788
Bolinger, Robert E. Endocrinology: New Directions in Therapy.....	888
Bondi, Amedeo, Josephine T. Bartola, and James E. Prier. The Clinical Lab as an Aid in Chemotherapy of Infectious Diseases.....	917
Brocklehurst, J. C. and T. Hanley. Geriatric Medicine for Students.....	945
Bromley, Ida. Tetraplegia and Paraplegia.....	293
Bunch, Welton H. and Robert D. Keagy. Principles of Orthotic Treatment.....	786
Carter, Joan Haselman. Standards of Nursing Care.....	602
Case, R. M. and H. Goebell. Stimulus-Secretion Coupling in the Gastrointestinal Tract.....	680
Cashell, G. T. W. and I. M. Durran. Handbook of Orthoptic Principles.....	53
Catron, Donald G. The Anesthesiologist's Handbook.....	879
Charyulu, Komanduri K. N. and Anam Sudarsanam. Hormones and Cancer.....	871
Chesney, Noreen and Muriel O. X-ray Equipment for Student Radiographers.....	114
Chow, Rita K. Cardiosurgical Nursing Care—Understandings, Concepts, and Principles for Practice.....	60
Cocke, W. M., Jr. Breast Reconstruction Following Mastectomy for Carcinoma.....	925
Constant, Jules. Bedside Cardiology.....	301
Chusid, Joseph G. Correlative Neuroanatomy and Functional Neurology.....	201
Collins, R. Douglas. Illustrated Manual of Fluid and Electrolyte Disorders.....	305
Cozzeto, Frank J. and H. R. Brettell. Topics in Family Practice.....	468
Crane, Robert K. Gastrointestinal Physiology. II.....	917
Crosse, V. Mary. The Preterm Baby.....	464

Lieutenant Commander Hernan G. Ruiz, MC,  
USN  
Ensign Barbara Ann Sendner, NC, USN  
Commander John A. Stob, DC, USN

Lieutenant Commander Thomas F. Street, MC,  
USNR  
Commander John H. Tinker, MC, USN  
1 Lieutenant Ricky Dale Wallace, MSC, USA

John W. Walsh, M.D., VA  
Lieutenant Commander Daniel E. White,  
MSC, USN

## Honor Roll

The Honor Roll is comprised of members who have, during the course of the preceding month, directly sponsored one or more eligible persons for membership in the Association.

Lieutenant Cecil M. Amick, Jr., NC, USNR  
Vice Admiral Willard P. Arentzen, MC, USN;  
Surgeon General, USN  
Lieutenant Commander Stan Bagbey, NC,  
USN  
Rear Admiral Robert L. Baker, MC, USN  
Lieutenant Celso G. Bolet, MC, USNR  
Colonel Ernest A. Brav, MC, USA, Ret.  
John D. Chase, M.D., Chief Medical Director,  
VA  
Lieutenant Commander Julian S. Chestnut,  
MC, USN  
Deputy Surgeon General S. Paul Ehrlich, Jr.,  
USPHS  
Captain E. E. Fowler, MSC, USN

Commander Russell R. Funk, Jr., DC, USN  
Colonel John R. Green, USAF, MSC  
Captain Richard A. Hesby, DC, USN  
Colonel James E. Horne, USAF, MSC, Ret.  
Colonel Darrell W. McIndoe, USAF, MC  
Commander T. G. McMahon, MSC, USN,  
Ret.  
Lieutenant Antonio Miranda, MC, USN  
Durward L. Moseley, D.D.S., VA  
Major Edward Nawotka, Jr., DC, USA  
George W. Parsons, M.D., VA  
Lieutenant General Charles C. Pixley, MC,  
USA, Surgeon General, USA  
Lieutenant Colonel William R. Posey, DC,  
USA

Commander C. Victor Romano, MC, USN  
Colonel Roland Rosenthal, MSC, USA  
Captain Henry S. Rudolph, MSC, USN  
Captain Gualbert M. Sanchez, USAF, MC  
Lieutenant General George E. Schafer, USAF,  
MC, Surgeon General, USAF  
Brigadier General James Q. Simmons, III, MC,  
USA, NG  
Robert N. Smith, M.D., Ass't Secretary for  
Health Affairs, DOD  
Henry E. Syzek, D.D.S., VA  
Rear Admiral Walter Welham, MC, USN,  
Ret.  
Dietician Director Marjorie Zukel, USPHS

# MILITARY MEDICINE

## SUBJECT INDEX TO VOLUME 142

January–December 1977

<b>A</b>	
Accident and Assault Deaths in the US Navy: Demography and Preliminary Interpretations. Marc A. Schuckit and E. K. Eric Gunderson.....	607
Acting Out Adolescents, Community Based Program for. Dennis H. Grant	
Alcohol Absorption Following Jejunal Interposition in Patients with Previous Gastric Surgery. Catalino B. Mendoza, Ahmad Rahbar, and George W. Easley.....	874
Alcohol Abuse in the Armed Services: A Review. II. Problem Areas and Recommendations. James R. Long, Linda E. Hewitt, and Howard T. Blane.....	116
Alcohol Rehabilitation Programs, Navy, Outcome for Recidivists. Douglas Kolb, E. K. Eric Gunderson, and Steven F. Bucky.....	435
Allografts, Preserved, Role of, in Neurosurgical Procedures. G. E. Friedlaender, K. W. Sell, and J. C. Bond.....	685
Ambulatory Patient Care in the Army, Maintaining, Study Utilizing Physician Assistants. J. D. Fitterer and Charles R. Cochrane.....	
Aneurysm, False, of the Left Ventricle Following Myocardial Infarction. James W. Allen, Jr. and Gordon E. Madge.....	75
Appendectomy, Negative, A Benign Misjudgment? J. J. Tepas, III, W. J. Wagner, N. L. Simstein, and J. T. Mullen.....	302
Army Traffic Fatalities in Hawaii: 1975. Melvin Blaustein.....	689
Arterial Trauma: A Remaining Problem of Increasing Magnitude. Norman M. Rich, George J. Collins, Charles A. Andersen, Paul T. McDonald, and John J. Ricotta.....	847
Association News.....	62, 167, 224, 309, 399, 476, 560, 634, 718, 800, 896, 961

<b>B</b>	
Barbiturate Detoxification, Haloperidol in. Richard Snyder.....	
Behavior Therapy, Rational, Effectiveness of, in a Military Population. Harold D. Rosenheim and Robert W. Dunn, Jr.....	550
Benzodiazepines: Pro or Con. Frank L. Giordano.....	629
Blood Grouping, Blood Banking, and Blood Transfusions, Trends Toward Improved. Frank R. Camp, Jr. and Virgil R. Coley.....	427
Blood Storage. XIV. Adenine Maintenance of ATP in a Preservative with High pH (to Maintain 2,3-DPG for Hemoglobin Function). R. Ben Dawson and Frank R. Camp, Jr.....	282
Blood Storage for Transfusion: XX. Rejuvenation of Outdated Red Cells with Three Experimental Metabolic Cocktails. R. Ben Dawson, Ann Chan-Shu, and Melissa Potts.....	154
Blood Transfusion Therapy in the Rear Hospitals During the Yom Kippur War (October 1973). S. Gerald Sandler, Raphael Sharon, David Hermoni, and E. Superstine.....	49
Bone Tumors, Treatment of. George P. Bogumil.....	16

<b>Book Reviews:</b>	
Adams, John Crawford. Standard Orthopaedic Operations.....	633
Adams, John G. Pediatric Anesthesia Case Studies.....	518
Aitken, J. T., G. Causey, J. Joseph, and J. Z. Young. A Manual of Human Anatomy.....	398
Albinson, J. G. Child in Sport and Physical Activity.....	301
Allen, John E., Vymutt J. Gururay, and Raymond M. Russo. Practical Points in Pediatrics.....	783
Bacchus, Habeeb. Essentials of Metabolic Diseases and Endocrinology.....	390
Barker, D. J. P. and G. A. Rose. Epidemiology in Medical Practice.....	635
Beard, C. Ptosis.....	618
Beck, J. Walter and John E. Davis. Medical Parasitology.....	296
Behrman, S. J. and R. W. Kistner. Progress in Infertility.....	868
Bennett, A. E. Alcoholism and the Brain.....	945
Benson, Ralph C. Current Obstetric and Gynecologic Diagnosis and Treatment.....	868
Birch, Allan. Emergencies in Medical Practice.....	958
Birkmayer, W. Epileptic Seizures—Behaviour—Pain.....	788
Bolinger, Robert E. Endocrinology: New Directions in Therapy.....	888
Bondi, Amedeo, Josephine T. Bartola, and James E. Prier. The Clinical Lab as an Aid in Chemotherapy of Infectious Diseases.....	917
Brocklehurst, J. C. and T. Hanley. Geriatric Medicine for Students.....	945
Bromley, Ida. Tetraplegia and Paraplegia.....	293
Bunch, Welton H. and Robert D. Keagy. Principles of Orthotic Treatment.....	786
Carter, Joan Haselman. Standards of Nursing Care.....	602
Case, R. M. and H. Goebell. Stimulus-Secretion Coupling in the Gastrointestinal Tract.....	680
Cashell, G. T. W. and I. M. Durran. Handbook of Orthoptic Principles.....	53
Catron, Donald G. The Anesthesiologist's Handbook.....	879
Charyulu, Komanduri K. N. and Anam Sudarsanam. Hormones and Cancer.....	871
Chesney, Noreen and Muriel O. X-ray Equipment for Student Radiographers.....	114
Chow, Rita K. Cardiosurgical Nursing Care—Understandings, Concepts, and Principles for Practice.....	60
Cocke, W. M., Jr. Breast Reconstruction Following Mastectomy for Carcinoma.....	925
Constant, Jules. Bedside Cardiology.....	301
Chusid, Joseph G. Correlative Neuroanatomy and Functional Neurology.....	201
Collins, R. Douglas. Illustrated Manual of Fluid and Electrolyte Disorders.....	305
Cozzeto, Frank J. and H. R. Brettell. Topics in Family Practice.....	468
Crane, Robert K. Gastrointestinal Physiology. II.....	917
Crosse, V. Mary. The Preterm Baby.....	464

Cruickshank, R., J. P. Duguid, B. P. Marmion, and R. J. A. Swain. Medical Microbiology. II. The Practice of . . . . .	277	Miles, Stanley. Underwater Medicine . . . . .	549
Dacie, J. V. and S. M. Lewis. Practical Haematology . . . . .	57	Miller, S. J. H. Operative Surgery: Eyes . . . . .	606
Damjanov, Ivan. General Pathology. Medical Outline Series . . . . .	871	Moore, S., J. Mein, and L. Stockbridge. Orthoptics: Past, Present, and Future . . . . .	379
Darmody, William R., Ronald L. Krome, and Judith E. Tintinalli. Management of the Unconscious Patient . . . . .	303	Morris, J. N. Uses of Epidemiology . . . . .	671
Davies, Donald S. and John L. Reid. Central Action of Drugs in Blood Pressure Regulation . . . . .	623	Moss, A. J., Jr., Glenn V. Dalrymple, and Charles M. Boyd. Practical Radioimmunoassay . . . . .	545
Dodd, H. and F. B. Cockett. The Pathology and Surgery of the Veins of the Lower Limb . . . . .	651	Nagler, Willibald. Manual for Physical Therapy Technicians . . . . .	60
Donaldson, David D. Vol. V. The Crystalline Lens . . . . .	703	Nairn, R. C. Fluorescent Protein Tracing . . . . .	950
Eaton, Merrill T., Jr., Margaret H. Peterson, and James A. Davis. Psychiatry . . . . .	960	Najarian, John S. and John P. Delaney. Advances in Cancer Surgery . . . . .	881
Essex, B. J. Diagnostic Pathways in Clinical Medicine: An Epidemiological Approach to Clinical Problems . . . . .	967	New Orleans Academy of Ophthalmology Symposium on Neuro-Ophthalmology . . . . .	48
Farmer, Thomas W. Pediatric Neurology . . . . .	219	Oyer, Herbert J. Communication for the Hearing Handicapped: An International Perspective . . . . .	761
Fatteh, Abdullah. Medicolegal Investigation of Gunshot Wounds . . . . .	387	Parks, M. M. Ocular Motility and Strabismus . . . . .	39
Fields, William S. Neurotransmitter Function—Basic and Clinical Aspects . . . . .	925	Perzik, Samuel L. Surgery in Thyroid Disease—The Place of Total Thyroidectomy . . . . .	875
Fox, Sidney A. Ophthalmic Plastic Surgery . . . . .	761	Pratt, Gerald H. Vascular Surgery: A Guide and Handbook . . . . .	628
Fry, J., P. S. Byrne, and S. Johnson. A Textbook of Medical Practice . . . . .	917	Prier, James E., Josephine T. Bartola, and Herman Friedman. Modern Methods in Medical Microbiology, Systems and Trends . . . . .	164
Fudenberg, H. H., D. P. Stites, and J. Vivian Wells. Basic and Clinical Immunology . . . . .	633	Reese, A. B. Tumors of the Eye . . . . .	711
Garb, Solomon. Laboratory Tests in Common Use . . . . .	715	Rickham, P. P., W. Ch. Hecker and J. Prevot. Anorectal Malformations and Associated Diseases . . . . .	444
Gass, J. Donald M. Stereoscopic Atlas of Macular Diseases . . . . .	911	Ritschel, W. A. Handbook of Basic Pharmacokinetics . . . . .	166
Glenn, James F. Urologic Surgery . . . . .	114	Roenigk, Henry H., Jr. and Jess R. Young. Leg Ulcers: Medical and Surgical Management . . . . .	280
Gitter, K. Current Concepts of the Vitreous, Including Vitrectomy . . . . .	301	Ruben, Robert J., Claus Elberling, and Gerhard Salomen. Electrocochleography . . . . .	954
Goodman, R. M. and R. J. Gorlin. Atlas of the Face in Genetic Disorders . . . . .	967	Rubin, Marsha. Hearing Aids: Current Developments and Concepts . . . . .	864
Goldman, Mervin J. Principles of Clinical Electrocardiography . . . . .	468	Ruiz, R. S. Ophthalmology for the Non-Ophthalmologist . . . . .	37
Goldwyn, Robert M. Plastic and Reconstructive Surgery of the Breast . . . . .	166	Russek, Henry I. Cardiovascular Problems . . . . .	398
Grossman, Kenneth. Recent Advances in Clinical Psychiatry. 2 . . . . .	398	Russell, R. W. Ross. Cerebral Arterial Disease . . . . .	717
Guibor, P. Oculoplastic Surgery and Trauma . . . . .	618	Rutt, August. Coxarthrosis—Surgical and Conservative Treatment . . . . .	797
Guttmann, Ludwig. Spinal Cord Injuries. Comprehensive Management and Research . . . . .	788	Safer, Daniel J. Hyperactive Children, Diagnosis and Management . . . . .	267
Guyton, A. C. and A. W. Cowley, Jr. Cardiovascular Physiology . . . . .	541	Sasa, Manabu. Human Filariasis: A Global Survey of Epidemiology and Control . . . . .	797
Hafner, E. and H. C. Christopher Meuli. Radiologic Examination in Orthopaedic Methods and Techniques . . . . .	680	Scarpelli, Emil M. and Ermelando V. Cosmi. Reviews in Perinatal Medicine . . . . .	289
Haines, Magnus and Claud W. Taylor. Gynaecological Pathology . . . . .	214	Schneider, F. Richard. Handbook for the Orthopaedic Assistant . . . . .	698
Haller, R. M. and N. Sheldon. Speech Pathology and Audiology in Medical Settings . . . . .	651	Shermann, Jacques L., Jr. and Sylvia Kleiman Fields. Guide to Patient Evaluation . . . . .	468
Handa, Hajime. Microneurosurgery . . . . .	480	Sim, Myre. Basic Psychiatry . . . . .	717
Hardy, Alan G. and Alain B. Rossier. Spinal Cord Injuries: Orthopaedic and Neurological Aspects . . . . .	631	Sisson, Joseph A. Handbook of Clinical Pathology . . . . .	164
Harper, Murray, Bryan Jannett, Douglas Miller, and Jack Rowan. Blood Flow and Metabolism in the Brain . . . . .	48	Sly, R. Michael. Pediatric Allergy . . . . .	893
Hendry, W. F. Recent Advances in Urology . . . . .	61	Smith, G. C. and J. M. Berg. Down's Anomaly . . . . .	893
Hewer, C. Langton. Recent Advances in Anaesthesia and Analgesia . . . . .	457	Smith, Genevieve Waples. Care of a Patient with a Stroke . . . . .	875
Holm, H. H., J. K. Kristensen, S. N. Rasmussen, J. F. Pedersen, and S. Hancke. Abdominal Ultrasound . . . . .	522	Smith, Stephen D. and Jane E. DiGiovanni. Decision Making in Foot Surgery . . . . .	510
Huber, A. Eve. Signs and Symptoms in Brain Tumors . . . . .	651	Spellacy, William N. Management of the High-Risk Pregnancy . . . . .	686
Huckbody, Eileen. Nursing Procedures for Skin Disease . . . . .	911	Stein, Harold and B. J. Slatt. The Ophthalmic Assistant, Fundamentals and Clinical Practice . . . . .	464
Hudak, Carolyn, Paul M. Redstone, Nancy L. Hokanson, and Irene E. Suzuki. Clinical Protocols: A Guide for Nurses and Physicians . . . . .	160	Stradling, Peter. Diagnostic Bronchoscopy: An Introduction . . . . .	941
Jabbour, J. T., Danilo A. Duenas, Richard C. Gilmartin, Jr., and Marvin I. Gottlieb. Pediatric Neurology Handbook . . . . .	948	Stretton, T. B. Recent Advances in Respiratory Medicine . . . . .	886
Jawetz, Ernest, Joseph L. Melnick, and Edward A. Adelberg. Review of Medical Microbiology . . . . .	301	Suinn, Richard M. Innovative Medical—Psychiatric Therapies . . . . .	394
Jeffrey, H. C. and R. M. Leach. Atlas of Medical Helminthology and Protozoology . . . . .	223	Sussman, Marcy L. and Alex Newman. Urologic Radiology . . . . .	960
Katz, Benjamin. Now is the Time! To Prepare a Guide for Your Survivor . . . . .	535	Symmers, W. St. C. Systemic Pathology . . . . .	945
Kaufman, Herbert E. and Thom J. Zimmerman. Current Concepts in Ophthalmology . . . . .	950	Thomas, Meirion and John S. Belstead. Aids to Postgraduate Surgery . . . . .	931
Kaye, Donald. Infective Endocarditis . . . . .	223	Thomson, John A. An Introduction to Clinical Endocrinology . . . . .	911
Keenan, Joseph S. A Procedure Manual in Speech Pathology with Brain-Damaged Adults . . . . .	214	Tjossem, Theodore. Intervention Strategies for High Risk Young Infants and Young Children . . . . .	917
Keeney, Arthur H. Ocular Examination: Basis and Technique . . . . .	705	Thurau, Klaus. Kidney and Urinary Tract Physiology . . . . .	884
Kempe, C. Henry. Current Pediatric Diagnosis and Treatment . . . . .	293	Ungaro, Peter Curt. Hematologic Diseases: New Directions in Therapy . . . . .	541
Kessel, I. The Essentials of Paediatrics for Nurses . . . . .	875	Vallance-Owen, J. Diabetes—Its Physiological and Biochemical Basis . . . . .	293
Kessler, Robert. Handbook of Urologic Emergencies . . . . .	680	Veirs, E. R. Lacrimal Disorders: Diagnosis and Treatment . . . . .	549
Keuhnel, Edward and William Bennett. Acute Renal Failure: Discussions in Patient Management . . . . .	705	Waisbren, Burton A. Critical Care Manual . . . . .	911
Kolker, Allan E. and John Hetherington. Becker-Shaffer's Diagnosis and Therapy of the Glaucomas . . . . .	527	Walker, F. C. Modern Stoma Care . . . . .	628
Levin, Richard M. Pediatric Respiratory Intensive Care Handbook . . . . .	779	Walker, H. Kenneth and J. Willis Hurst. Clinical Methods. Vol. 2. History, Physical and Laboratory Examinations . . . . .	761
Longmore, D. B. The Current Status of Cardiac Surgery . . . . .	60	Weil, Max Henry and Herbert Shubin. Critical Care Medicine: Current Principles and Practices . . . . .	793
Macleod, John. Clinical Examination . . . . .	289	Whitehead, E. Douglas. Current Operative Urology . . . . .	277
McLaren, Donald S. and David Burman. Pediatric Nutrition . . . . .	555	Williams, M. Henry and Chang Shim. Asthma, Discussions in Patient Management . . . . .	219
McRae, Ronald. Clinical Orthopaedic Examination . . . . .	884	Wilson, J. N. Watson-Jones Fractures and Joint Injuries . . . . .	884
Maegraith, Brian. Clinical Tropical Diseases . . . . .	635	Wilson, Philip K. Adult Fitness and Cardiac Rehabilitation . . . . .	285
Martin, Marcel and Louis Dionne. Immunocancerology in Solid Tumors . . . . .	816	Wolberg, Lewis R. Group Therapy 1976: An Overview . . . . .	705
Mauil, Kimball I. and Ward O. Griffen, Jr. Medical Examination Review Book. Trauma Surgery . . . . .	280	Worthen, D. M. and P. S. Binder. The Intraocular Lens in Perspective . . . . .	44
Menaker, Lewis. Biologic Basis of Wound Healing . . . . .	280	Wulff, Henrik R. Rational Diagnosis and Treatment . . . . .	31
Meyers, Frederick H., Ernest Jawetz, and Alan Goldfien. Review of Medical Pharmacology . . . . .	394	Yanoff, M. and B. S. Fine. Ocular Pathology . . . . .	31
Michon, J. and E. Moberg. Traumatic Nerve Lesions of the Upper Limb . . . . .	948		
Miescher, Peter A. and Hans J. Müller-Eberhard. Textbook of Immunopathology . . . . .	267		
Milne, Hugo B. Psychosexual Problems . . . . .			

C

Carcinoma, Hepatic Cell, Hepatic Artery Ligation for Control of Bleeding from Spontaneous Rupture of. Masoud Mohamadi and Emil E. Aftandilian . . . . .	381
Cancer, Anorectal, Masquerading as Benign Perianal Disease. P. J. Kovalick, R. L. Peniston, and J. T. Mullen . . . . .	710
Cancer of the Male Breast. A. Steven Cain . . . . .	892
Capgras Syndrome. Jesse O. Cavenar, Jr., Allan A. Maltbie, and Michael Petty . . . . .	617



Cancer, Advanced, Reactions of Patients to Their Diagnosis and Treatment. Carl G. Kardinal and Helen T. Cupper .....	374	Foreign Body, Intravaginal, One Year Duration. Arthur C. Wittich and Keith F. Deubler .....	386
Cardiac Rehabilitation Programs, Nursing Contribution to. Sylvia A. Merrill .....	129		
Cardiopulmonary Health and Coronary Risk Factors in a Select Military Population. Joseph C. Denniston, Marcos U. Ramos, Ronald E. Jackson, John L. Szurek, William P. Morgan, and James A. Vogel .....	440	<b>G</b>	
Caries, Root Surface, Prevalence of, in a Military Population. Walter G. Lohse, Harold G. Carter, and Janet A. Brunelle .....	700	Gait Mechanisms: Asymmetry of Arm Motion in Normal Subjects. Terrance L. Riley, Walter F. Roy, and E. Wayne Massey .....	467
Carpue, Joseph Constantine, First Military Plastic Surge on. M. Felix Freshwater, C. T. Su, and John E. Hoopes .....	603	Getting Out, Doctor? Think it Over. Matt H. Backer, Jr. ....	751
Case for Diagnosis: ..... 28, 128, 193, 306, 397, 434, 523, 610, 677, 772, 861	928	Glycerol Administration: Alternative Method and Review. E. Wayne Massey and William L. Brannon .....	696
Cervical Pap Smears: Laboratory-Based Monitoring System for Follow-up Care. David L. Leatherman, Norman S. H. Len, Arthur S. Irish, II, and John M. Hardman .....	297		
Child Abuse and Neglect in the Navy. L. D. Acord .....	862	<b>H</b>	
Cholangiography, "Skinny" Needle Percutaneous Transhepatic. R. Raloff, J. Gardner, D. Anderson, and M. Fomes .....	887	Haloperidol and Analgesia. Allan A. Maltbie and Jesse O. Cavenar, Jr. ....	885
Cholecystitis, Acute Emphysematous. James W. Northington .....	388	Health Care Education in the Federal Services. Willard P. Arentzen and John D. Chase .....	561
Cold Injuries and Other Ills on Peacetime Maneuvers. Orest Hawryluk .....	377	Health Standards and Practices in the US Merchant Marine, Evaluation of. Paul C. White .....	706
Combat Ships, Morbidity as Factor in Operational Effectiveness. J. M. Erickson, L. M. Dean, and E. K. Eric Gunderson .....	624	Heart Disease, Diagnosis and Management of. Robert B. Franklin and Achilles Skoulas .....	105
Communication with the Fatally Ill, Overcoming Stresses in. Miriam Gluck Conscientious Objector, Active Duty, Psychiatric—Psychological Evaluation. Melvin Blaustein and William C. Proctor .....	619	Heat Stroke: Is Total Prevention Possible? Joseph D. Bartley .....	108
Consent, Informed, Use of a Test to Determine. Roger L. Williams, Gordon M. Trenholme, Karl H. Rieckmann, Henri Frischer, and Paul E. Carson .....	542	Hepatitis A in Military Families: Anatomy of an Epidemic. Taras Nowosiwsky, James A. Ferguson, Gilbert R. Irwin, Jr., and Delores H. Randall .....	693
Contraceptives, Oral, Demographic Survey of Military Dependents. R. D. Peppler .....	773	Hepatitis B Antigen and Antibody in the US Army. Herbert E. Segal, Taras Nowosiwsky, Gilbert R. Irwin, and Barry W. Peterman .....	190
Coronary Artery Surgery, Intravenous Nitroglycerin During. Joel A. Kaplan and Robert L. Treasure .....	152	Hepatitis Risk in Retired Military Dental Patients. Eugene C. Crosslin, James Brasher, and Granvil L. Hays .....	782
		Hepatitis, Viral, Control of, in a Hemodialysis Unit. Bosko Postic, Marcia Brown, David P. Shreiner, and Michael F. Michelis .....	210
<b>D</b>		Hypertension, Low Renin, Varieties of. C. A. Nugent .....	519
Demolition Team Training, Underwater, Preliminary, Physical, Psychological, Blood Serum, and Mood Predictors of Success. Robert J. Biersner, David H. Ryman, and Richard H. Rahe .....	215	Hypoglycemia, Reactive, Response of Glucagon-Like Immunoreactivity to. Marshall B. Block, Fred D. Hofeldt, Edward G. Lufkin, Louis Haglar, and Robert H. Herman .....	32
Dental Alloy, Nickel-Chromium, Laser Welding of. James C. Adrian and Eugene F. Huget .....	299	<b>I</b>	
Dental Alloys, Base-Metal, Tissue Response to. James C. Adrian and Eugene F. Huget .....	784	Identity, Military, and the Myth of Dependency. Sander M. Abend .....	556
Dental Hygiene Aids, Interproximal Effectiveness of, for Troop Field Use. Ronald L. Van Swol, Harold G. Carter, and George P. Barnes .....	391	IgE-IgM Kappa Gammopathy Associated with Lymphocytic Lymphoma. George L. Brown, Nicholas J. DiBella, Donald G. Corby, Jeneed K. Nelson, Joseph E. Lima, and Michael R. Gray .....	921
Disc Surgery, Prompt Re-Exploration for Persistent Leg Pain. A. W. Auld Disease Survey of Palolo Valley, Central Sulawesi, Indonesia. I. Description of Area and Sample. P. F. Dirk Van Peenen, Benjamin F. Gundelfinger, Richard See, W. Patrick Carney, J. Putrali, and J. Sulianti Saroso .....	876		
Disease Survey of Palolo Valley, Central Sulawesi, Indonesia. II. Intestinal Parasites, Malaria, and Filariasis. P. F. Dirk Van Peenen, W. Patrick Carney, Richard See, Benjamin F. Gundelfinger, and John H. Cross .....	449	<b>L</b>	
Disease Survey of Palolo Valley, Central Sulawesi, Indonesia. III. Serological Findings. Benjamin F. Gundelfinger, Richard See, P. F. Dirk Van Peenen, and George S. Irving .....	454	Laser Hazards: Biomedical Threshold Level Investigations. Edwin S. Beatrice, Harry Zwick, David I. Randolph, Bruce E. Stuck and David J. Lund .....	889
Drug Abuse, Psychopathology and Patterns of, in the Military Prisoner. Daniel K. Winstead and S. Parker .....	363	Lest We Forget. Frank W. Hayes .....	263
Drug Dependence, Group Operant Approach, in the Military. Joseph G. Poirier and Franklin Del Jones .....	366	Life Changes and Accidents, Recent, Aboard an Attack Carrier. John B. Levine, Jonathon O. Lee, William McHugh, and Richard H. Rahe .....	469
		Lincoln, President, Last Hours of. Ronald D. Greenwood .....	59
<b>E</b>			
Editorials:		<b>M</b>	
Black, Roger L. Physicians, Priorities, and the Public .....	798	Magellan's Expedition Around the World, Medical Notes on. Cesar A. Lopez .....	787
Brav, Ernest A. Calculated Risk .....	959	Mayaro Vaccine, Inactivated, Produced in Human Diploid Cell Cultures. David M. Robinson, Francis E. Cole, Jr., Albert T. McManus, and Carl E. Pederson, Jr. ....	163
Chandler, Alfred W. Navy Medical Department Recipients of the Medal of Honor .....	716	Medical Care in the US Merchant Marine, Survey of. Paul C. White, Jr. ....	613
Datel, William E. Source Data in Military Psychiatric Epidemiology .....	61	Medicine, Comparative, Military, Training the Army Veterinarian for an Expanding Role in the 1970s. Paul B. Jennings .....	294
Fisher, William B. Zoster Immune Plasma Procurement in Military Hospitals—A Proposal .....	165	Medicine in the Mid 70s: New Pressures and Solutions. Malcolm C. Todd .....	185
Frazier, Claude A. A Preventable Emergency .....	223	Mental Health, Military, Behavioral Consultation Section. Jeffrey N. Younggren, Michael P. Quirk, and Ian I. Lipsitch .....	291
John, Joseph F., Jr. Smoking, the Soldier, and the Army .....	397	Mental Hygiene Consultation Service Referrals, Demographic Evaluation of. Michael P. Quirk, Richard G. Ellis, and Ian I. Lipsitch .....	220
Jordan, Marion H. and Stephen B. Leapman, The Role of Renal Transplantation in the Military .....	559	Musculoskeletal Diseases and Injuries, Management of. John A. Feagin, Sterling B. Mutz, and Glyndon B. Shaver .....	11
Kimberly, Robert C. William Crawford Gorgas, An Additional Comment .....	559		
Mutchnick, Milton G. The Sinai Field Mission .....	633	<b>N</b>	
Packard, David. The Uniformed Services University of the Health Sciences: An Integral Part of the Health Professions Revitalization Act of 1972. (PL 92-426) .....	306	Narcoanalysis: The Forgotten Diagnostic Aid. Jesse O. Cavenar, Jr. and James L. Nash .....	553
Palmer, Eddy D. The Primary Care Physician .....	895	Neurofibroma of the Intrathoracic Vagus Nerve in a Man with Recklinghausen's Disease. John A. Zorbas and George K. Kreatsas .....	384
Palmer, Eddy D. Whatever Happened to Reading? .....	475	Neuropathy, Injection, in Heroin Addict. Pasquale F. Finelli and Grantley W. Taylor .....	704
Reiser, Stanley, J. The Colonial Physician .....	306	Neurosurgical Wounds Sustained in Vietnam, Analysis of Infections. John P. Kapp .....	763
Electroanesthesia for Military Application. Robert S. Hertert, Eugene F. Huget, Duane E. Cutright, and Laszlo B. de Simon .....	929	Nurse Educator Looks at the Nurse Clinician. Arlene M. Putt .....	54
Ewing's Sarcoma of the Chest Wall, Clinical Analysis of. Alan E. Seyfer and Russ Zajchuk .....	778	Nurses in Expanded and Traditional Roles, Randomized Observations for Functional Analysis of. Ruth E. Yeomans .....	195
Exercise Stress Testing of a Select Military Population. Joseph C. Denniston, Ronald E. Jackson, Marcos U. Ramos, John M. Foster, William P. Morgan, and James A. Voge .....	445	Nursing for the Patient, Primary, Outcomes of. Reidun Juvkam Daefler .....	204
		<b>O</b>	
<b>F</b>		Orthognathic Surgery in the Diabetic. H. J. Van Belois, Jr., G. W. Oatis, Jr., and W. E. Sugg, Jr. ....	40
Federal Medical Chiefs on Progress and Plans. Robert N. Smith, Willard P. Arentzen, and John D. Chase .....	585	Ossification, Heterotopic, in Brachium Secondary to Unusual Trauma. L. R. Fout and R. L. McLeod .....	622
Fetal Allograft, Maternal Acceptance of. Robert E. Harris .....	669		
		<b>P</b>	
		Patient Care Audit, Retrospective, An Army Hospital's Experience. Cesar A. Lopez .....	302
		Pharmacological Agents, Novel, Use, in Carcinoid Syndrome. Anthony C. Arnold and Steven B. Leichter .....	949
		Physician Assistant Program, the USAF/USN. Charles L. Gaudry, Jr. and Nicholas C. Nicholas .....	29

Thrombotic Thrombocytopenic Purpura, Acute, Exchange Transfusion in.	
William B. Fisher .....	789
Tissue Banking, Impact of, on Treatment of Musculoskeletal System	
Trauma, G. E. Friedlaender, K. W. Sell, and J. C. Bond .....	858
Tissue Banking: US Navy Tissue Bank. Robert W. Bright, Gary E. Friedlaender, and Kenneth W. Sell .....	503
Toxic Epidermal Necrolysis, Staphylococcus Induced, in an Adult. Jacob J. Schlesinger .....	791
Tracheostomy, Thoracic, Anterior, for Malignant Upper Airway Obstruction. Edwin C. James, Brent A. Grishkin, Sidney R. Steinberg, and James T. Gillespie .....	713
Tumor, Anaplastic, in a Hepatic Hematoma. John P. Fulkerson and Thomas Carmany .....	305

1

U  
US Army Institute of Dental Research: Fifty-Three Years of Dedicated  
Research and Education. Duane E. Cutright and Jon. L. Daniels.....

1

Vasodilator Therapy: Its Role in Treatment of Acute Left Ventricular Failure and Mitral Regurgitation. Edward A. Palank .....	472
Venous System, Pathologic, in the Lower Extremities, Diagnosis and Treatment of. Gerald H. Pratt .....	189
Vietnam Era Veterans, Post-Service Adjustment. Elliott R. Worthington	863
Vietnam War POWs. I. Injuries and Illnesses of, Navy POWs. S. William Berg and Milton Richlin .....	514
Vietnam War POWs. II. Injuries and Illnesses of, Army POWs. S. William Berg and Milton Richlin .....	590
Vietnam War POWs. III. Marine Corps POWs, Injuries and Illnesses of. S. William Berg and Milton Richlin .....	678
Vietnam War POWs. IV. Injuries and Illnesses of. Comparison of Captivity Effects in North and South Vietnam. S. William Berg and Milton Richlin	757
Villous Tumors: A Problematic Colorectal Neoplasm. Charles W. Schwab and Joseph T. Mullen .....	370
Virology, Diagnostic, in a Reference Laboratory, Twenty-Five Years of. William A. Rutala, Dorothy F. Shelton, and David Arbjert .....	935

## w

Water Disinfecting Systems, Military Individual and Small Group.	
Morris R. Rogers, Arthur M. Kaplan, Joseph J. Vitaliano, and Elizabeth	
Paplan .....	268
Weber-Christian Disease, Cyclophosphamide-Induced, Remission in.	
Richard J. Martin, Edward L. Michaels, and Michael R. Voth .....	158
Wrist Cutters. Male. Coarse and Delicate. Stuart L. Kaplan and Edward Fik	942

## A

C

8

Cain, A. Steven.....	892
Camp, Frank R., Jr.....	282, 427
Carmany, Thomas.....	395
Carney, W. Patrick.....	449, 454
Carson, Paul E.....	542
Carter, Harold G.....	391, 700
Cassells, E. P.....	882
Cavenar, Jesse O., Jr.....	465, 553, 617, 946
Chan-Shu, Ann.....	154
Chase, John D.....	561, 585
Cochrane, Charles R.....	951
Collins, George J.....	847
Corby, Donald G.....	921
Cox, Clyde G.....	286
Coley, Virgil R.....	427
Cross, John H.....	454
Crosslin, Eugene C.....	782
Cupper, Helen T.....	374
Cupwright, Duane E.....	45, 929

1

Daeffler, Reidun Juvkam .....	204
Dahl, Barbara B. ....	146
Daniels, Jon L. ....	45
Dawson, R. Ben. ....	154, 282
Denniston, Joseph C. ....	440, 445
de Simon, Laszlo B. ....	929
Duebler, Keith F. ....	386
DiBella, Nicholas J. ....	921
Diethelm, Arnold G. ....	286
Dunn, Robert W. Jr. ....	550

E	
Easley, George W.	874
Eilert, John H., Jr.	768
Ellis, Richard G.	220
Ephross, Paul H.	524
Erickson, J. M.	624

F	
Fariss, Bruce L.	674
Feagin, John A.	11
Ferguson, James A.	693
Fik, Edward	942
Finelli, Pasquale F.	704
Fisher, William B.	789
Fitterer, J. D.	951
Fornes, M.	887
Foster, John M.	445
Fout, L. R.	622
Franklin, Robert B.	105
Freshwater, M. Felix	603
Friedlaender, Gary E.	503, 685, 858
Frischer, Henry	542
Fulkerson, John P.	395

G	
Gardner, J.	887
Gaudry, Charles L., Jr.	29
Gibbons, Robert B.	674
Gillespie, James T.	713
Giordano, Frank L.	629
Gluck, Miriam	926
Goldenberg, Don L.	674
Grady, Milton	524
Grant, Dennis H.	932
Gray, Michael R.	921
Greene, John C.	511
Greenwood, Ronald D.	59
Grishkin, Brent A.	713
Gundelfinger, Benjamin F.	449, 454, 458
Gunderson, E. K. Eric	435, 607, 624

H	
Haglar, Louis	32
Hardman, John M.	297
Harris, Robert E.	669
Hawryluk, Orest	377
Hayes, Frank	263
Hays, Granvil L.	782
Herman, Robert H.	32
Hermioni, David	49
Hertert, Robert S.	929
Hewitt, Linda E.	116
Hicks, Floanne	882
Hofeldt, Fred D.	32
Hoopess, John E.	603
Huget, Eugene F.	299, 784, 929

I	
Irish, Arthur S., II	297
Irving, George S.	458
Irwin, Gilbert R., Jr.	190, 693

J	
Jackson, Ronald E.	440, 445
James, Edwin C.	713
Jeffer, Edward K.	867
Jennings, Paul B.	294, 674
Jones, Franklin Del	366

K	
Kaplan, Arthur M.	268
Kaplan, Joel A.	152
Kaplan, Stuart L.	942
Kapp, John P.	763
Kardinal, Carl G.	374
Kasl, Stanislav V.	853
Knox, Francis S., III	536
Kolb, Douglas	435
Kovalick, P. J.	710
Kreatsas, George K.	384

L	
Leatherman, David L.	297
Lee, James A.	286
Lee, Jonathon O.	469
Leichter, Steven B.	949
Len, Norman S. H.	297
Levine, John B.	469
Lima, Joseph E.	921

Lipsitch, Ian I.	220, 291
Lohse, Walter G.	700
Long, James R.	116
Lopez, Cesar A.	302, 787
Lufkin, Edward G.	32
Lund, David J.	889

M	
Madge, Gordon E.	75
Maltbie, Allan A.	946
Martin, Richard J.	158
Massey, E. Wayne	696
McCahan, G. R., Jr.	536
McCarthy, Mary K.	674
McCubbin, H. L.	146
McCurdy, John A., Jr.	955
McDonald, Paul T.	847
McHugh, William B.	469
McLeod, T. L.	622
Mendoza, Catalino B.	874
Merrill, Sylvia	129
Michals, Edward L.	158
Michelis, Michael F.	210
Mohamadi, Masoud	381
Moore, Michael A.	611
Moore, Thomas C.	546
Morgan, William P.	440, 445
Mullen, J. T.	302, 710
Mullen, Joseph T.	370
Mutz, Sterling B.	11

N	
Nash, James L.	465, 553
Nelson, Jeneen K.	921
Nicholas, Nicholas C.	29
Northington, James W.	388
Nowosiwsky, Taras	190, 693
Nugent, C. A.	519

O	
Oatis, G. W., Jr.	40
O'Brien, Sandra L.	286
Oetgen, William J.	162

P	
Palank, Edward A.	472
Parker, S.	363
Peniston, R. L.	710
Peppler, R. D.	773
Peterman, Barry W.	190
Phillippi, Paul J.	611
Pillion, Elizabeth	268
Poirer, Joseph G.	366
Postic, Bosko	210
Potts, Melissa	154
Pratt, Gerald H.	139
Proctor, William C.	619
Putrali, J.	449
Putt, Arlene	54

Q	
Quirk, Michael P.	220, 291

R	
Rafoth, R.	887
Rahbar, Ahmad	874
Rahe, Richard H.	215, 469
Ramos, Marcos U.	440, 445
Randolph, David I.	889
Randall, Delores H.	693
Ray, R. Charles	955
Rich, Norman M.	847
Richlin, Milton	514, 590, 678, 757
Ricotta, John J.	847
Rieckmann, Karl H.	542
Riley, Terrence L.	467
Robinson, Henry A., Jr.	353
Rodriguez, Manuel A.	795
Rogers, Morris R.	268
Rosenheim, Harold D.	550
Roy, Walter F.	467
Rutala, William A.	935
Ryman, David H.	215

S	
Sandler, Dale P.	853
Sandler, S. Gerald	49
Saroso, J. Sulanti	449
Schlesinger, James J.	791



Schuckit, Marc A.	607
Schwab, Charles W.	370
See, Richard	449, 454, 458
Segal, Herbert E.	190
Sell, Kenneth W.	503, 685, 858
Seyfer, Alan F.	778
Sharon, Raphael	49
Shaver, Glyndon B.	11
Shaw, Robert, Jr.	19
Shelton, Dorothy F.	935
Shreiner, David P.	210
Simstein, N. L.	302
Smith, Robert N.	585
Snyder, Richard	885
Spaulding, Raymond C.	681
Steinberg, Sidney R.	713
Stevick, C. P.	882
Stuck, Bruce E.	889
Su, C. T.	603
Sugg, W. E., Jr.	40
Superstine, E.	49
Szurek, John L.	440

## T

Taylor, Grantley, W.	704
Tepas J. J., III	302
Thompson, Helmer W.	353
Todd, Malcolm C.	185
Treasure, Robert L.	152
Trenholme, Gordon M.	542

## V

Vaeth, Stephan J.	539
Van Belois, H. J., Jr.	40
Van Peenen, P. F. Dirk	449, 454, 458
Van Swol, Ronald L.	391
Vitaliano, Joseph J.	268
Vogel, James A.	440, 445
Voth, Michael R.	158

## W

Wachtel, Thomas L.	536
Wagner, W. J.	302
Welch, John P.	880
White, Carolyn M.	939
White, Paul C., Jr.	613, 706
Williams, Roger L.	542
Winstead, Daniel K.	363
Wittich, Arthur C.	386
Wolcott, Barry W.	357
Worthington, Elliott R.	865

## Y

Yeomans, Ruth E.	195
Younggren, Jeffrey N.	291

## Z

Zajtchuk, Russ	778
Zorbas, John A.	384
Zwick, Harry	889

## Book Reviews (Continued)

**Atlas of the Face in Genetic Disorders.** R. M. Goodman, M.D., Assoc. Prof. of Human Genetics, Sackler School of Medicine, Tel Aviv Univ., Israel, and R. J. Gorlin, DDS. The C. V. Mosby Co., St. Louis, 1977, 586 pp., \$57.50.

This second edition atlas, enriched with almost 1,200 illustrations, has been compiled for those searching for a diagnosis unknown to them. The principal objective is to aid the clinician in making a diagnosis of a genetic disorder based on recognition of specific facial characteristics. Though the scope of disease-genetic syndromes is almost triple that of the first edition, a few extremely unusual syndromes have been omitted.

Following typical initial case history taking, including family history aspects, and after clinical examination of the patient involved, the following three specific questions are essential to the use of this atlas: 1. What is the main organ system involved? 2. What are the outstanding clinical features (facial and others) observed? and 3. Based on the family history obtained, can you postulate a possible mode of genetic transmission?

An extremely well organized table in summary format presented in the earlier pages of the atlas is designed to assist the text user in making a diagnosis based on answers to questions 1 and 2. The summary table reflects key facial features which, when correlated with clinical findings, will reveal principle tissue/organ system(s) involved. Further indexing with question 3 responses is possible to syndromes either listed alphabetically or by an increasing chromosomal number and various modes of inheritance.

Introductory chapters reveal modes of genetic transmission, genetic counseling, and embryologic development of the face, along with various facial and head measurements. Medical and genetic glossaries are also printed in the atlas, to further assist in diagnostic endeavors of clinicians. The summary table reflects an in-depth presentation of syndrome traits identified, and listed clinical aspects that may aid in diagnosis, such as the biochemical tests, roentgen results, or prenatal traits found. Mental retardation status is classified as a finding circumstance. Prognostic and treatment features are presented on each syndrome listed and should assist the clinical plan of action for the individual involved.

LTC GERALD R. GUINE, USAF-R, DC

**Diagnostic Pathways in Clinical Medicine: An Epidemiological Approach to Clinical Problems.** B. J. Essex, M.D., Late Sen. Lecturer in Community Health, Medical Faculty, Univ. of Dar es Salaam, Tanzania. Churchill Livingstone, Edinburgh, New York, 1977, 173 pp., many illus., \$9.95, paper.

This book is the newest in the now well-known "Medicine in the Tropics" series. Essentially, it is an aid for medical (and paramedical) workers who are mostly engaged in outpatient clinics of developing countries in Africa, where the tremendous daily load of new patients requires a diagnosis in less than three minutes. Outpatient diagnosis generally requires special skills, also special methods for training health workers to diagnose rapidly and safely. The author shows how such skills can be developed in advanced medical students and graduates.

The work consists of seven chapters that describe modern ideas about the causes of disease, disease patterns and outpatient problems, the skills of outpatient diagnosis with the use of so-called flow-charts, some important physical signs, and problems of outpatient management. Detailed analysis of the contents would also reveal numerous East African examples of valuable epidemiological, therapeutic, and preventive medical observations.

The basic tool of outpatient diagnosis is the flow chart, which includes the flow of symptoms and signs that outline the way to the correct determination of the disease. The book provides 53 such charts for quick diagnosis. Studies were made to evaluate the accuracy of the three-minute rapid diagnoses with the use of these flow-charts. At the Muhimbili National Teaching Hospital in Tanzania, in 1,249 patients, flow-chart diagnosis was made 2,030 times; in 94 per cent of the cases, the quick diagnosis was in agreement with the findings of experienced doctors. The average speed of the correct flow-chart diagnoses was 1.9 min., and that of the diagnoses made by experienced doctors was 13.7 min. This proves that the method which the author offers for outpatient clinics is a rapid, accurate, and universally applicable method for diagnosis of clinical problems.

CLAUDIUS F. MAYER, M.D.